

[METHOD FOR CONTROLLING WRITING POWER IN CAV MODE]

Abstract of Disclosure

A method for controlling a laser power of a compact disc recorder in a constant angular velocity (CAV) mode. Two different reference writing powers corresponding to two reference linear velocities at an inner and an outer radius of a compact disc are determined by an optimum power control (OPC) procedure. A reference table is constructed according to the two reference writing powers and the two reference linear velocities. The reference table has a plurality of reference linear velocities and each of which has a corresponding reference writing power and a reference reflected pulse level. The optimum writing power and target reflected pulse level of the desired data is determined by the reference table. A running optimum power control (ROPC) procedure is performed to write the desired data onto the compact disc according to the determined writing power and reflected pulse level.

Figures